

Answer on Question #58296 – Math – Discrete Mathematics

Question

The Cartesian product ($A \times B$) of the sets A and B is the set of ...

Solution

The Cartesian product $A \times B$ is the set of all ordered pairs (a, b) where $a \in A$ and $b \in B$.

It can be specified using set-builder notation, e.g.

$$A \times B = \{(a, b) \mid a \in A \text{ and } b \in B\}.$$